



012104

17236 U.S. PTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	DIVISIONAL
	)	PATENT APPLICATION
Inventors: Wei Pan, David R. Evans)	
and Sheng Teng Hsu	)	January 21, 2004
)	
Serial No.: Unknown	)	Attorney Docket No.
	)	SLA0861 (SLA0603D)
Filed: Herewith)	
	)	Parent Application:
Title: INTEGRATED CIRCUIT)	
STRUCTURE WITH COPPER	)	Serial No. 10/140,460
INTERCONNECT	)	Filed: May 6, 2002
)	
	)	Pending in Group Art
	)	Unit 2818
)	
	)	Examiner: Thao P. Le
)	
Assignee: Sharp Laboratories of)	Anticipated Classification:
America, Inc.)	Class: 257
)	Subclass: 565
)	

22581 U.S. PTO
10/761784

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CERTIFICATE OF MAILING BY "EXPRESS MAIL"
UNDER 37 C.F.R. 1.10

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Victoria Woods

Victoria Woods

Signature Date: January 21, 2004DIVISIONAL APPLICATION UNDER 37 C.F.R. §1.53(b)

Mail Stop PATENT APPLICATION
Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned, attorney-of-record in parent application Serial No. 10/140,460, filed May, 2002, entitled "Ultra Thin Tungsten Metal Films Used as Adhesion Promoter Between Barrier Metals and Copper," hereby requests the filing of a Divisional Application under the provisions of 37 C.F.R. §1.53(b).

Identification of the Parent of the Present Divisional Application:

Serial No.: 10/140,460
Filed: May 6, 2002
Title: Ultra Thin Tungsten Metal Films Used as Adhesion Promoter Between Barrier Metals and Copper
Inventors: Wei Pan, David R. Evans, and Sheng Teng Hsu
Status: Pending

Copy of Present Divisional Application:

Enclosed is a copy of the present divisional application which incorporates the following changes from the as-filed specification and drawings in parent application Serial No. 10/140,460: The titled has been changed, an introductory cross-reference section has been added on page 1, and formal drawings have replaced the as-filed informal drawings. The present divisional application includes the following papers:

- X No. of Pages in Specification: 12 No. of Claims: 21 .
X No. of Sheets of Drawings: 2 Formal: X or Informal: ____.
X Copy of the Declaration (signed by all inventors) in parent application Serial No. 10/140,460.
X Copy of the Power of Attorney in parent application Serial No. 10/140,460.

Parent application Serial No. 10/140,460, filed May 6, 2002, entitled " Ultra Thin Tungsten Metal Films Used as Adhesion Promoter Between Barrier Metals and Copper," is hereby incorporated herein by reference.

Delete the Following Inventor(s) for This Application: None

Amendments:

X Please amend the enclosed specification as follows:

Cancel claims 1-18.

Filing Fee

The Divisional Patent Application filing fee is calculated after cancellation of claims 1-18, as shown below:

	No. Filed	No. Extra		Rate Small Entity/ Other Than Small Entity	
Basic Fee				\$385.00 \$770.00	\$ 770.00
Total Claims <u>3</u>	(<u>20</u>)	= <u>0</u>	X	\$ 9.00 \$18.00 =	\$ 00.00
Independent Claims <u>1</u>	(<u>3</u>)	= <u>0</u>	X	\$43.00 \$86.00 =	\$ 00.00
First Presentation of Multiple Dependent Claim(s) <u>0</u>				\$145.00 \$290.00 =	\$ 00.00
Total PATENT APPLICATION FILING FEE					\$ 770.00

The total fee associated with this communication is as follows:

Patent application filing fee	\$ 770.00
	=====
TOTAL FEE DUE:	\$ 770.00

Method of Payment of Fees

- ☐ A check in the amount of the TOTAL FEE DUE is enclosed.
- ☒ Please charge Deposit Account No. 19-1457 in the amount of \$ 770.00.
A duplicate copy of this authorization is enclosed.
- ☒ The Commissioner is hereby authorized to charge underpayment of any fees associated with this communication, or credit any overpayment, to Deposit Account No. 19-1457. A duplicate copy of this authorization is enclosed.

Customer Number

The Customer Number of the undersigned attorney is:

27518

Correspondence Address

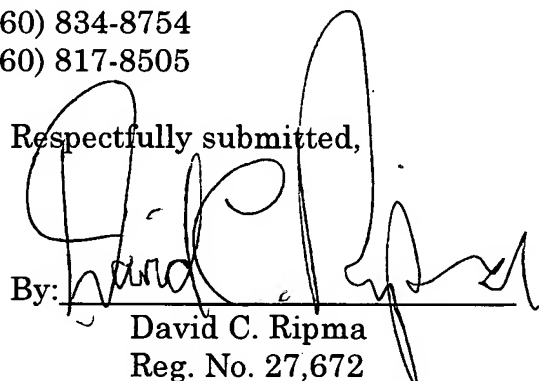
Please direct all correspondence in this application to the following:

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Respectfully submitted,

Date: 1/21/03

By: 
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